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- (71) Applicant (for all designated States except US): OMNI-CYTE LTD [GB/GB]; 21 Wilson Street, London EC2M 2TD (GB).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): GORDON, Myrtle [GB/GB]; Willow Tree Cottage, Spinning Wheel Lane, Binfield, Berkshire RG42 5QH (GB). HABIB, Nagy [GB/GB]; 6 Courtfield, Castlebar Hill, London W5 1TA (GB).
- (74) Agent: FRANK B. DEHN & CO.; 179 Queen Victoria Street, London EC4V 4EL (GB).
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(54) Title: STEM CELLS

(57) Abstract: The present invention relates to an isolated stem cell population wherein said stem cells are CD34⁺, capable of self regeneration, capable of differentiation into ectodermal, mesodermal and endodermal cells and capable of adhering to tissue-culture grade plastic as well as to methods of isolation of said cells, methods of culturing and differentiation thereof, the progeny of such methods of differentiation as well as uses, including therapeutic uses of the stem cells and their differentiated progeny.